Desarrollo FrontEnd con JavaScript

s03 – Cargando módulos con RequireJS

Programación modular

Carga eficaz de archivos

RequireJS

Estructura para aplicaciones grandes

Código reusable

Antes de RequireJS

```
<script type="text/javascript"
src="user.js"></script>
<script type="text/javascript"
src="users.js"></script>
<script type="text/javascript"
src="main.js"></script>
```

RequireJS - HTML

```
<script data-main="lib/require/main"
src="lib/require.js"></script>
<script type="text/javascript">
  requirejs.config({
    urlArgs: 'timestamp=' + Date.now()
  });
</script>
```

RequireJS – main.js

```
require(["user"], function(User) {
  var user = new User();

  user.set('email', 'gustavo@xenda.pe')

  console.log(user.attributes);
});
```

RequireJS – user.js

```
define(function() {
  var User = function User() {
    this.attributes = {};
  };

  User.prototype.set = function(attr, value) {
    this.attributes[attr] = value;
  };

  User.prototype.get = function(attr) {
    return this.attributes[attr];
  };

  return User;
});
```

RequireJS – users.js (cargando módulo)

```
define(["user"], function(User) {
  var Users = function Users() {
    this.collection = [];
  };

  Users.prototype.add = function(user) {
    if (user instanceof User) {
      this.collection.push(user);
    }
  };

  return Users;
});
```

RequireJS – main.js (más de un módulo)

```
require(["user", "users"], function(User, Users) {
  var user = new User();
  var users = new Users();

  user.set('first_name', 'Gustavo');
  user.set('last_name', 'Leon');
  user.set('email', 'gustavo@xenda.pe');

  users.add(user);

  console.log(users.collection);
});
```